

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/533841  
Source: PCT  
Date Processed by STIC: 5/12/15

***ENTERED***



PCT

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/533,841**

**DATE: 05/12/2005**  
**TIME: 08:07:13**

**Input Set : A:\seqlist.txt**  
**Output Set: N:\CRF4\05122005\J533841.raw**

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4 <110> APPLICANT: ERTL, Peter F.
7 <120> TITLE OF INVENTION: Vaccine
10 <130> FILE REFERENCE: PG5023
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/533,841
13 <141> CURRENT FILING DATE: 2005-05-04
15 <150> PRIOR APPLICATION NUMBER: PCT/EP 03/12402
16 <151> PRIOR FILING DATE: 2003-03-11
18 <150> PRIOR APPLICATION NUMBER: GB 0225788.9
19 <151> PRIOR FILING DATE: 2002-11-05
21 <160> NUMBER OF SEQ ID NOS: 89
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 23
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Synthetic DNA primer
33 <400> SEQUENCE: 1
34 atcgtccatg ggtggcaagt ggt                                23
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 23
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Synthetic DNA primer
44 <400> SEQUENCE: 2
45 cggctactag tgcagttctt gaa                                23
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 24
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Synthetic DNA primer
55 <400> SEQUENCE: 3
56 atcgtactag tgagccagta gatc                               24
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 24
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Synthetic DNA primer
66 <400> SEQUENCE: 4
67 cggctactag tttccttcgg gcct                                24

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/533,841**

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**Input Set : A:\seqlist.txt**  
**Output Set: N:\CRF4\05122005\J533841.raw**

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69 <210> SEQ ID NO: 5
70 <211> LENGTH: 38
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Synthetic DNA primer
77 <400> SEQUENCE: 5
78 gaattcgcgg cggccatggg tggcaagtgg tcaaaaag                                38
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 38
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Synthetic DNA primer
88 <400> SEQUENCE: 6
89 gaattcgcgg cggccatggt gggtttcca gtcacacc                                38
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 34
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Synthetic DNA primer
99 <400> SEQUENCE: 7
100 gaattcggtat ccttattcct tcgggcctgt cgaa                                34
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 45
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Synthetic polylinker
110 <400> SEQUENCE: 8
111 agcttgcggc cgcttagcgat atcggtacca tatgtcgacg gatcc                                45
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 44
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Synthetic polylinker
121 <400> SEQUENCE: 9
122 gtaccggta attggcgccg gcgcgccata tgacgtcaga tctg                                44
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 28
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Synthetic primer
132 <400> SEQUENCE: 10
133 ccatggatcc gatcttttc cctctgcc                                28
135 <210> SEQ ID NO: 11

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/533,841

DATE: 05/12/2005

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Input Set : A:\seqlist.txt

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136 <211> LENGTH: 32  
 137 <212> TYPE: DNA  
 138 <213> ORGANISM: Artificial Sequence  
 140 <220> FEATURE:  
 141 <223> OTHER INFORMATION: Synthetic primer  
 143 <400> SEQUENCE: 11  
 144 gtttagggtga aaagcttccg agtgagagac ac 32  
 146 <210> SEQ ID NO: 12  
 147 <211> LENGTH: 32  
 148 <212> TYPE: DNA  
 149 <213> ORGANISM: Artificial Sequence  
 151 <220> FEATURE:  
 152 <223> OTHER INFORMATION: Synthetic primer  
 154 <400> SEQUENCE: 12  
 155 gtttagggtga aaagcttccg agtgagagac ac 32  
 157 <210> SEQ ID NO: 13  
 158 <211> LENGTH: 33  
 159 <212> TYPE: DNA  
 160 <213> ORGANISM: Artificial Sequence  
 162 <220> FEATURE:  
 163 <223> OTHER INFORMATION: Synthetic primer  
 165 <400> SEQUENCE: 13  
 166 gttctccatc gcggccgcac tcttggcacg ggg 33  
 168 <210> SEQ ID NO: 14  
 169 <211> LENGTH: 39  
 170 <212> TYPE: DNA  
 171 <213> ORGANISM: Artificial Sequence  
 173 <220> FEATURE:  
 174 <223> OTHER INFORMATION: Synthetic primer  
 176 <400> SEQUENCE: 14  
 177 gaatttcgcgg cccgcatggc cgagcagctg tgggtcacc 39  
 179 <210> SEQ ID NO: 15  
 180 <211> LENGTH: 55  
 181 <212> TYPE: DNA  
 182 <213> ORGANISM: Artificial Sequence  
 184 <220> FEATURE:  
 185 <223> OTHER INFORMATION: Synthetic primer  
 187 <400> SEQUENCE: 15  
 188 gaattcggat cctcatctc gcacgacgcg gcgcttggcc cgggtgggg ccacg 55  
 190 <210> SEQ ID NO: 16  
 191 <211> LENGTH: 24  
 192 <212> TYPE: DNA  
 193 <213> ORGANISM: Artificial Sequence  
 195 <220> FEATURE:  
 196 <223> OTHER INFORMATION: Synthetic primer  
 198 <400> SEQUENCE: 16  
 199 gccaaggcgcc gcgtcgtgca gaga 24  
 201 <210> SEQ ID NO: 17  
 202 <211> LENGTH: 48

**RAW SEQUENCE LISTING** DATE: 05/12/2005  
**PATENT APPLICATION:** US/10/533,841 TIME: 08:07:13

Input Set : A:\seqlist.txt  
Output Set: N:\CRF4\05122005\J533841.raw

203 <212> TYPE: DNA	
204 <213> ORGANISM: Artificial Sequence	
206 <220> FEATURE:	
207 <223> OTHER INFORMATION: Synthetic primer	
209 <400> SEQUENCE: 17	
210 gccaagcgcc gcgtcgtgca gagaatgggt ggcaagtggc caaaaagt	48
212 <210> SEQ ID NO: 18	
213 <211> LENGTH: 24	
214 <212> TYPE: DNA	
215 <213> ORGANISM: Artificial Sequence	
217 <220> FEATURE:	
218 <223> OTHER INFORMATION: Synthetic primer	
220 <400> SEQUENCE: 18	
221 ggggagccga caggccccgaa ggaa	24
223 <210> SEQ ID NO: 19	
224 <211> LENGTH: 48	
225 <212> TYPE: DNA	
226 <213> ORGANISM: Artificial Sequence	
228 <220> FEATURE:	
229 <223> OTHER INFORMATION: Synthetic primer	
231 <400> SEQUENCE: 19	
232 ggggagccga caggccccgaa ggaaatgaag gtcaaggaga ccagaaaag	48
234 <210> SEQ ID NO: 20	
235 <211> LENGTH: 44	
236 <212> TYPE: DNA	
237 <213> ORGANISM: Artificial Sequence	
239 <220> FEATURE:	
240 <223> OTHER INFORMATION: Synthetic primer	
242 <400> SEQUENCE: 20	
243 gccaagcgcc gcgtcgtgca gagaatggtg ggtttccag tcac	44
245 <210> SEQ ID NO: 21	
246 <211> LENGTH: 38	
247 <212> TYPE: DNA	
248 <213> ORGANISM: Artificial Sequence	
250 <220> FEATURE:	
251 <223> OTHER INFORMATION: Synthetic primer	
253 <400> SEQUENCE: 21	
254 gaatttcgcgg cccatgggt gggtttcca gtcacacc	38
256 <210> SEQ ID NO: 22	
257 <211> LENGTH: 55	
258 <212> TYPE: DNA	
259 <213> ORGANISM: Artificial Sequence	
261 <220> FEATURE:	
262 <223> OTHER INFORMATION: Synthetic primer	
264 <400> SEQUENCE: 22	
265 gaattcggat cctcatctgc acgacgacg gcggtggcc cgggtgggg ccacg	55
267 <210> SEQ ID NO: 23	
268 <211> LENGTH: 60	
269 <212> TYPE: DNA	

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/533,841

DATE: 05/12/2005  
TIME: 08:07:13

Input Set : A:\seqlist.txt  
Output Set: N:\CRF4\05122005\J533841.raw

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270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Synthetic primer
275 <400> SEQUENCE: 23
276 accacacctgt acttgtacag ctcgctccgc cagttatccc tcatgtcgcc gccggccggc 60
279 <210> SEQ ID NO: 24
280 <211> LENGTH: 37
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Synthetic primer
287 <400> SEQUENCE: 24
288 gaattcgcgg ccgccatgga gccagtagat cctagac 37
290 <210> SEQ ID NO: 25
291 <211> LENGTH: 19
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic primer
298 <400> SEQUENCE: 25
299 ttccttcggg cctgtcggc 19
301 <210> SEQ ID NO: 26
302 <211> LENGTH: 41
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Synthetic primer
309 <400> SEQUENCE: 26
310 gccgacaggc ccgaaggaaa tggtggttt tccagtcaca c 41
312 <210> SEQ ID NO: 27
313 <211> LENGTH: 36
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Synthetic primer
320 <400> SEQUENCE: 27
321 gaattcggat ctttagcagt tcttgaagta ctccgg 36
323 <210> SEQ ID NO: 28
324 <211> LENGTH: 56
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Synthetic primer
331 <400> SEQUENCE: 28
332 gaattcgcgg ccgcaatgaa ggtcaaggag accagaaaga actaccagca tctgtg 56
334 <210> SEQ ID NO: 29
335 <211> LENGTH: 24
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/533,841

DATE: 05/12/2005

TIME: 08:07:14

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\05122005\J533841.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:458 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40